



#10 ✓ 7/26/03

EXPRESS MAIL LABEL NO. EU746739503US

Attorney Docket No. 63049.000037

Attorney Customer No. 27682

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re US Patent Application of:)

Ronald D. BLUM et al.)

Application No.: 10/046,244)

Group Art Unit: 2873

Filing Date: January 6, 2002)

Examiner: J. Stultz

Title: ELECTRO-OPTIC LENS WITH
INTEGRATED COMPONENTS)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a duly completed PTO-1449 Form listing references which may be considered either material or helpful to the examination of the above-identified patent application. It is requested that these references be considered by the Examiner and officially made of record.

Respectfully submitted,

By: 

J. Michael Martinez de Andino
Registration No. 37,178

Hunton & Williams
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(804) 788-7291 telephone
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Date: July 11, 2003



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is an Information Disclosure Statement, accompanying form PTO-1449 and a copy of references in connection with the above-identified patent application.

- ☐ No additional fee for submission of an IDS is required.
- ☒ The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. §1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. §1.97(e), a petition requesting consideration of the information disclosure statement, and the petition fee of \$130.00 as set forth in 37 C.F.R. §1.17(i) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 08-3436 for the fee due.

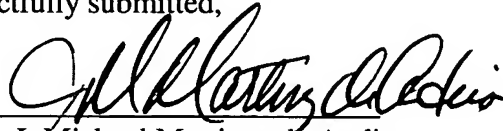
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The Commissioner is hereby authorized to charge any appropriate fees that may be required by this paper to Deposit Account No. 08-3436.

Respectfully submitted,

By:


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Attorney Docket No. 63049.000037
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Examiner: J. Stultz

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CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. §1.10

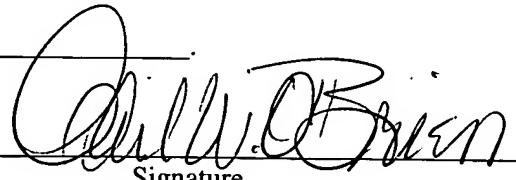
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Alexandria, VA 22313-1450

Sir:

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on July 11, 2003
Date


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Gail W. O'Brien
Typed or printed name of person signing Certificate

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Attorney Docket No. 63049.000037

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Sheet 1 of 7

Form PTO-1449 U.S. Department of Commerce
(Rev. 8-83) Patent and Trademark Office

Atty. Docket No.: 63049.000037

Application No.: 10/046,244

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: January 6, 2002

Group: 2873

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	1	Re. 35,691	12/16/97	Theirl et al.			
	2	D 298,250	10/25/88	Kildall			
	3	D 342,063	12/7/93	Howitt et al.			
	4	D 350,342	9/6/94	Sack			
	5	2,437,642	3/9/48	Henroteau			
	6	2,576,581	11/27/51	Edwards			
	7	3,161,718	12/15/64	de Luca			
	8	3,245,315	4/12/66	Marks et al.			
	9	3,614,215	10/19/71	Mackta			
	10	3,738,734	6/12/73	Tait et al.			
	11	4,174,156	11/13/79	Glorieux			
	12	4,181,408	1/1/80	Senders			
	13	4,190,330	2/26/80	Berreman			

Examiner:

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Previously cited in 6/14/2002 IDS

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Form PTO-1449 U.S. Department of Commerce (Rev. 8-83) Patent and Trademark Office		Atty. Docket No.: 63049.000037		Application No.: 10/046,244			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)							
		Applicant: Ronald D. Blum et al.					
		Filing Date: January 6, 2002			Group: 2873		
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	14	4,264,154	4/28/81	Petersen			
	15	4,279,474	7/21/81	Belgorod			
	16	4,300,818	11/17/81	Schachar			
	17	4,373,218	2/15/83	Schachar			
	18	4,395,736	7/26/83	Fräleux			
	19	4,418,990	12/6/83	Gerber			
	20	4,457,585	7/3/84	DuCorday			
	21	4,466,706	8/21/84	Lamothe, II			
	22	4,529,268	7/16/85	Brown			
	23	4,564,267	1/14/86	Nishimoto			
	24	4,572,616	2/25/86	Kowel et al.			
	25	4,577,928	3/25/86	Brown			
	26	4,601,545	7/22/86	Kern*			
	27	4,609,824	9/2/86	Munier et al.			
	28	4,712,870	12/15/87	Robinson et al.			
	29	4,756,605	7/12/88	Okada et al.			
Examiner:				Date Considered:			
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Form PTO-1449 U.S. Department of Commerce
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Application No.: 10/046,244

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STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: January 6, 2002

Group: 2873

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	30	4,772,094	9/20/88	Sheiman			
	31	4,795,248	1/3/89	Okada et al.			
	32	4,818,095	4/4/89	Takeuchi			
	33	4,836,652	6/6/89	Oishi et al.			
	34	4,880,300	11/14/89	Payner et al.			
	35	4,904,063	2/27/90	Okada et al.			
	36	4,907,860	3/13/90	Noble			
	37	4,919,520	4/24/90	Okada et al.			
	38	4,927,241	5/22/90	Kuijk			
	39	4,929,865	5/29/90	Blum			
	40	4,930,884	6/5/90	Tichenor et al.			
	41	4,945,242	7/31/90	Berger et al.			
	42	4,952,788	8/28/90	Berger et al.			
	43	4,958,907	9/25/90	Davis			

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Filing Date: January 6, 2002

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U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	44	4,961,639	10/9/90	Lazarus			
	45	4,968,127	11/6/90	Russell et al.			
	46	4,981,342	1/1/91	Fiala			
	47	4,991,951	2/12/91	Mizuno et al.			
	48	5,015,086	5/14/91	Okaue et al.			
	49	5,030,882	7/9/91	Solero			
	50	5,066,301	11/19/91	Wiley			
	51	5,073,021	12/17/91	Marron			
	52	5,076,665	12/31/91	Petersen			
	53	5,091,801	2/25/92	Ebstein			
	54	5,108,169	4/28/92	Mandell			
	55	5,130,856	7/14/92	Tichenor et al.			
	56	5,142,411	8/25/92	Fiala			
	57	5,171,266	12/15/92	Wiley et al.			
	58	5,182,585	1/26/93	Stoner			

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Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	59	5,184,156	2/2/93	Black et al.			
	60	5,200,859	4/6/93	Payner et al.			
	61	5,208,688	5/4/93	Ferguson et al.			
	62	5,229,885	7/20/93	Quaglia			
	63	5,239,412	8/24/93	Naka et al.			
	64	5,306,926	4/26/94	Yonemoto			
	65	5,324,930	6/28/94	Jech, Jr.			
	66	5,352,886	10/4/94	Kane			
	67	5,359,444	10/25/94	Piosenka et al.*			
	68	5,375,006	12/20/94	Haas			
	69	5,382,986	1/17/95	Black et al.*			
	70	5,440,357	8/8/95	Quaglia			
	71	5,443,506	8/22/95	Garabet			
	72	5,451,766	9/19/95	Van Berkel			
	73	5,488,439	1/30/96	Weltmann*			

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	Applicant: Ronald D. Blum et al.	
	Filing Date: January 6, 2002	Group: 2873

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	74	5,522,323	6/4/96	Richard			
	75	5,608,567	3/4/97	Grupp			
	76	5,615,588	4/1/97	Gottschald*			
	77	5,654,786	8/5/97	Bylander			
	78	5,712,721	1/27/98	Large			
	79	5,728,155	3/17/98	Anello et al.			
	80	5,739,959	4/14/98	Quaglia			
	81	5,777,719	7/7/98	Williams et al.			
	82	5,815,233	9/29/98	Morokawa et al.			
	83	5,861,936	1/19/99	Sorenson			
	84	5,900,720	5/4/99	Kallman et al.			
	85	5,949,521	9/7/99	Williams et al.			
	86	5,980,037	11/9/99	Conway			

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	1	WO 98/27863	7/2/98	WIPO				X
	2	0 154 962 A2	9/18/85	EPO				X
Examiner:				Date Considered:				
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	3	0 233 104 A1	8/19/87	EPO			X	(Abstract)
	4	0 237 365 A1	9/16/87	EPO			X	(Abstract)
	5	1-237610	9/22/89	Japan			X	(Abstract)
	6	2169417A	7/09/86	UK				X
	7	2170613A	8/6/86	UK				X
	8	ROC 89113088		China				X
	9	55-076323	6/9/80	Japan			X	(Abstract)

Examiner
Initial***OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	"Focusing by Electrical Modulation of Refraction in a Liquid Crystal Cell"; Stephen T. Kowel et al., <i>Applied Optics</i> , Vol. 23, No. 2, January 15, 1984, pp. 278-289
	2	"Computer Vision Syndrome - The Eyestrain Epidemic"; Robert A. Davis, O.D., <i>Review of Optometry</i> , September 15, 1997, pp. 80-88
	3	"The Use of Yoked Base-Up and Base-In Prism for Reducing Eye Strain at the Computer"; Stuart M. Lazarus, O.D., <i>Journal of the American Optometric Association</i> , April 1996, pp. 204-208
	4	<i>Eyecare Business</i> , October 1997 (entire issue)
	5	"Vision Through a Liquid-Crystal Spatial Light Modulator"; Larry N. Thibos et al., <i>Inpress</i> , Adaptive Optics Conference, Durham, United Kingdom, 1999
	6	"Requirements for Segmented Spatial Light Modulators for Diffraction-Limited Imaging Through Aberrated Eyes"; Larry N. Thibos et al., <i>Inpress</i> , Adaptive Optics Conference, Durham, United Kingdom, 1999
	7	"Use of Liquid-Crystal Adaptive-Optics to Alter the Refractive State of the Eye"; Larry N. Thibos et al., <i>Optometry and Vision Science</i> , Vol. 74, No. 7, July 1997
	8	"Electronic Spectacles for the 21 st Century", Profile: Larry N. Thibos, Ph.D. and Donald Miller, Ph.D., <i>Indiana Journal of Optometry</i> , Vol. 2, No. 1, pp. 5-10, 1999

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